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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,849	11/18/2003	Victor Larson	007170.00025	3154

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BANNER & WITCOFF, LTD.  
1100 13th STREET, N.W.  
SUITE 1200  
WASHINGTON, DC 20005-4051

EXAMINER
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LIM, KRISNA

ART UNIT	PAPER NUMBER
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2153

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/21/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/714,849

Applicant(s)

LARSON ET AL.

Examiner

Krisna Lim

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) 13-25 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8, 26 and 27 is/are rejected.
- 7) ☒ Claim(s) 9-12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

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1. Claims 1-27 are pending in the application. Claims 1-12 and 26-27 are elected without traverse for examination. And, non-elected claims 13-25 are withdrawn from consideration.

2. Claims 1-12 and 25-27 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, it is unclear where a query is coming from or who queries to the server and what is being queried. Moreover, it is unclear how the system is providing a secure domain name service.

In claim 26, it is unclear what kind of an apparatus is it. It is unclear how this apparatus is configured. And, it is unclear for what a computer network address is queried.

In claim 27, it is similar to claim 26.

3. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-12 and 26-27 are rejected under 35 U.S.C. § 103(a) as being unpatentable over IP Security Chapter 13 of XP-002167283,[Hereinafter XP]. This reference was cited in 1449 Form that was submitted by the applicant.

5. XP disclosed the invention substantially as claimed. Taking claims 1-3, and 26-27 as exemplary claims, the reference disclosed a system for providing a secure domain name service (IP Security, IPsec, page 399) over a computer network, comprising:

a) a server connected to a computer network, the server authenticating a query for a secure computer network address having a top-level domain (security at IP level), page 399) reserved for secure network connection;

b) a domain name database (routers) connected to the computer network through the server the domain name database storing secure computer network addresses for the computer network.

6. While XP further disclosed IP and IPsec (IP security, page 400), XP did not explicitly call its security at IP level as a non-standard top-level domain such as .scom, .sorg, .snet, .sedu, .smil and .sint, etc. It would have been obvious to one of an ordinary skilled in the art to recognize that the domain names such as .com, .org, .net, .edu, .mil, .int, .gov, etc. are the well-known top-level domains for companies, organizations, government, etc.(see any computer dictionaries) and the additional security of HTTPS to the standard HTTP. Thus, adding additional security to these standard domain names of .com, .org, .net, .edu, .mil, .int, etc. to become .scom, .sorg, .snet, .sedu, .smil, and .sint, etc. would be obviously similar to the teaching of IP and IPsec of XP. Moreover, having these non-secured top-level domains secured would have been a desirable feature in the art because the security of the Internet is a vital element for the national security, business security, individual's privacy security, etc.

7. As to claim 4, XP disclosed the computer network includes the Internet (e.g., see Fig. 13.1, page 401).

8. As to claim 5, XP disclosed the server comprises an edge router (e.g., see routing application, a figure 13.10, page 402).

9. As to claim 6, XP disclosed the server authenticates the query using a cryptographic technique (e.g., see authentication algorithm, a figure 13.2, Encryption Algorithm and Authentication Algorithm on page 403, Cryptographic keys on page 404).

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10. As to claim 7, XP disclosed the server is connectable to a virtual private network link through the computer network (e.g., see page 421).

9. As to claim 8, XP disclosed the secure communication link is one of a plurality of secure communication links in a hierarchy of secure communication links (e.g., see IP Security of Fig. 13.1 and IP security architecture on page 402 and 403).

10. Claims 9-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisna Lim whose telephone number is 571-272-3956. The examiner can normally be reached on Monday to Wednesday and Friday from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess, can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KI

March 7, 2007



KRISNA LIM  
PRIMARY EXAMINER